

Sean Yang

Master Data Management Specialist

xiaoyang_yang@outlook.com · Shenzhen, China · yxyang.info · github.com/toadish-frog · www.linkedin.com/in/xya89/

SUMMARY

Data analyst and tooling engineer with 3+ years of experience automating workflows and delivering BI solutions across supply chain, catalog, and operations domains. Currently building master data management systems and internal tooling at Thrasio, where I reduced SKU processing SLAs by 95% through Python-based automation. Skilled in Python, SQL, GCP, and Power BI, with a focus on solutions that cut manual work and keep data quality high.

EXPERIENCE

Master Data Management Specialist

Feb 2025 – Present

Thrasio · Shenzhen, China

- Rebuilt the SKU creation and update workflow as a Streamlit web app, cutting the average SLA from 24 hours to 30 minutes — a 95% reduction.
- Automated multi-step data validation and NetSuite integration, eliminating an estimated 5 hours of manual spreadsheet work per analyst per week.
- Implemented Google OAuth authentication for internal tooling, enabling secure, role-based access for MDM team members.
- Authored data governance SOPs and field-level data dictionaries adopted across the catalog team.

Business Analyst

May 2023 – Feb 2024

Norsat International Inc. · Richmond, Canada

- Built Power BI dashboards for the purchasing team covering Inventory Stocking Levels and Purchase Order Tracking, using Azure SQL and Business Central Web Services as data sources.
- Reduced report refresh time by 50% by standardizing data fetching methods and query patterns across the BI layer.
- Maintained a 95% on-time delivery rate for purchase orders by coordinating across marketing, planning, and warehouse teams.
- Identified and corrected KPI calculation errors in presale and supply chain reports, contributing to approximately \$70,000 in annual cost savings.

Operations Assistant (Intern)

Jan 2023 – Apr 2023

Alba Partners Inc. · Vancouver, BC

- Built operational and sales reports in Excel and ERP, reducing manual lookup time.
- Modeled company-specific trends using SQL, Excel, and Python on internal datasets, improving data processing efficiency by 10%.

EDUCATION

B.Sc. Data Science

Sep 2018 – Apr 2023

Simon Fraser University · Burnaby, Canada

- Dean's List 2021
- Vancouver Coastal Health: Canines-for-Care — CDI forecasting with VGH data analysts
- Steam Server Usage Forecast — seasonal ARIMA time-series study

PROJECTS

Automation Olympics — SKU Request Processor

Jun 2024 – Nov 2024

Thrasio

- A Streamlit web application that streamlines SKU update and creation requests for Thrasio's MDM team. Authenticated users can process, validate, update NetSuite records, and trigger email notifications in a single workflow, replacing a fragmented multi-step spreadsheet process.
- Reduced average SKU request SLA from 24 hours to 30 minutes — a 95% improvement.
- Integrated Google OAuth for secure, role-based access control.
- Automated NetSuite record updates and outbound email notifications end-to-end.

Vancouver Coastal Health: Canines-for-Care

Jan 2023 – Apr 2023

Vancouver Coastal Health / Simon Fraser University

- Collaborated with data analysts from Vancouver General Hospital to develop predictive clustering models forecasting CDI outbreaks from canine screening data collected between 2017 and 2022.
- Built CDI forecasting models in R using clustering and correlation analysis on 5 years of canine screening and infection records.
- Delivered exploratory and risk analysis in Tableau, surfacing correlations between canine alert frequency and CDI case counts.

Steam Server Utilization Forecasting

Nov 2022 – Dec 2022

Simon Fraser University

- Used the Box-Jenkins method and dynamic regression approaches on SteamDB data (2020–2022) to fit a multiplicative seasonal ARIMA model and produce a 6-month server utilization forecast.
- Fit a seasonal ARIMA(2,1,2) × (0,1,1) model with a 7-day period using R.
- Forecast 9,487,428 peak concurrent players against an actual of 9,484,341 — 99.97% accuracy.

SKILLS

Languages:	Python · SQL · TypeScript · Google Apps Script · C · R
Frameworks & Libraries:	Streamlit · Next.js · React
Tools & Platforms:	Google Cloud Platform · Oracle NetSuite · Power BI · Looker · Azure SQL · Docker · Claude Code · Git · Draw.io · Zendesk
Soft Skills:	Master Data Management · Supply Chain Operations · Cross-functional Collaboration · Technical Writing · Process Documentation